

**ABSTRACT**

An improved system for reboiling a liquid in a separator is disclosed. The system includes a separator having a bottom fractionation tray, a conduit for removing liquid accumulated on the bottom fractionation tray, and a reboiler for reboiling liquid removed from the bottom fractionation tray to form a vapor which is returned to the separator by another conduit and below the spatial location of the bottom tray. The vapor returned to the separator is at least substantially sealed off from fluid flow communication with the accumulated liquid removed from the bottom fractionation tray.

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